INDEX OF AUTHORS.

PAGE

ACTON, H. W. and HARVEY, W. F. The nature and specificity of Negri bodies. (With Plate XI and 2 Text-figures) 255

BACOT, A. W. The persistence of *Bacillus pyocyaneus* in pupae and imagines of *Musca domestica* raised from larvae experimentally infected with the bacillus 68

DARLING, S. T. The probable mode of infection and the methods used in controlling an outbreak of equine trypanosomiasis (*Murrina*) in the Panama Canal zone 83

DREW, H. G. A note on the application of Giemsa's Romanowsky stain to the blood and tissues of marine invertebrates 19

DODD, *see* GILRUTH.

GILRUTH, J. A., SWEET, G. and DODD, S. Observations on the occurrence in the blood of various animals (chiefly monotremes and marsupials) of bodies apparently identical with *Anaplasma marginale* Theiler, 1910. (With Plate I) 1

HARVEY, *see* ACTON.

HINDLE, E. The passage of *Trypanosoma gambiense* through mucous membranes and skin 24

HINDLE, E. The transmission of *Spirochaeta duttoni* 133

HINDLE, E. The relapsing fever of Tropical Africa. A Review. (With 2 Maps and 1 Chart) 183

HINDLE, E. On the life-cycle of *Spirochaeta gallinarum*. Preliminary Note. (With 5 Text-figures and 1 Diagram) 463

HOWARD, C. W. An experiment in fumigation of ticks 164

HUFFMAN, O. V. The embryos of *Filaria loa*. (With Plate IV) . . . 75

HUFFMAN, O. V. The Kurloff-body, a spurious parasite. (With 11 Text-figures) 457

HUFFMAN, *see* WOOLLEY.

HUFFMAN, O. V. and WHERRY, W. B. A description of four *Filaria loa* from the same patient. (With Plate II) 7

JOHNSTONE, J. *Tetrarhynchus erinaceus* van Beneden. I. Structure of larva and adult worm. (With Plates XIX–XXIV and 9 Text-figures) . . 364

LEBOUR, M. V. A review of the British marine cercariae. (With Plates XXV–XXIX) 416

MCCOY, G. W. A microfilaria (*Microfilaria rosenaui* n. sp.) from the California ground squirrel (*Citellus beecheyi*). (With Plate VII). . 220

MACKINNON, D. L. On some more protozoan parasites from Trichoptera. (Plate III and 8 Text-figures) 28

MAXWELL-LEFROY, H. Notes on entomological boxes 174

MERRIMAN, G. The geographical distribution of *Ornithodorus moubata* (Murray, 1877). (With a Map) 168

PAGE

MERRIMAN, *see* NUTTALL.

NUTTALL, G. H. F. On the adaptation of ticks to the habits of their hosts. (With 26 Text-figures) 46

NUTTALL, G. H. F. On symptoms following tick-bites in man . . . 89

NUTTALL, G. H. F. Notes on ticks. I. (1) *Ixodes caledonicus*, description of male, together with considerations regarding the structure of the foot in male *Ixodes*. (2) Types of parasitism in ticks, illustrated by a Diagram, together with some remarks upon longevity in ticks. (3) Regarding the loss of life in ticks occurring on wandering hosts. (With 2 Figures) 175

NUTTALL, G. H. F. and MERRIMAN, G. The process of copulation in *Ornithodorus moubata*. (With 1 Text-figure) 39

PORTER, A. Some remarks on the genera *Crithidia*, *Herpetomonas* and *Trypanosoma* 22

PORTER, A. Further remarks on the genera *Crithidia*, *Herpetomonas* and *Trypanosoma*, and Dr Woodcock's views thereon 154

PORTER, A. The structure and life-history of *Crithidia pulicis* n. sp., parasitic in the alimentary tract of the human flea, *Pulex irritans*. (With Plate X) 237

ROBINSON, L. E. New species of ticks (*Haemaphysalis*, *Amblyomma*). (With 4 Text-figures) 478

SANT' ANNA, J. F. On a disease in man following tick-bites and occurring in Lourenço Marques 87

SEIDELIN, H. An iron-haematein stain. With remarks on the Giemsa stain. (With Plate V) 94

STRICKLAND, C. Description of a *Herpetomonas* parasitic in the alimentary tract of the common green-bottle fly, *Lucilia* sp. (With Plates VIII and IX and 2 Text-figures) 222

STRICKLAND, *see* SWELLENGREBEL.

SWEET, *see* GILRUTH.

SWELLENGREBEL, N. H. Note on the morphology of *Herpetomonas* and *Crithidia*, with some remarks on "physiological degeneration." (With 12 Diagrams) 108

SWELLENGREBEL, N. H. The life-history of *Pleistophora gigantea* Thélohan (*Glugea gigantea* Thél.). (With Plates XVII and XVIII and 20 Diagrams) 345

SWELLENGREBEL, N. H. and STRICKLAND, C. Some remarks on Dr Swingle's paper "The transmission of *Trypanosoma lewisi* by rat fleas," etc. . . 104

WELLS, R. T. Aerial contamination as a fallacy in the study of amoebic infections by cultural methods. (With Plate VI) 204

WENYON, C. M. Oriental sore in Bagdad, together with observations on a gregarine in *Stegomyia fasciata*, the haemogregarine of dogs and the flagellates of house flies. (With Plates XII–XVI and 36 Text-figures) . 273

WHERRY, *see* HUFFMAN.

WOODCOCK, H. M. A reply to Miss Porter's note entitled "Some remarks on the genera *Crithidia*, *Herpetomonas* and *Trypanosoma*" 150

WOOLLEY, P. G. and HUFFMAN, O. V. The ova of *Schistosoma japonicum* and the absence of spines 131

INDEX OF SUBJECTS.

PAGE

Amblyomma fiebrigi n. sp. 482
„ *variegatum* var. *nocens* n. var. 480
Amoeba, cultivation of 204
„ morphology and life-cycle of 209
Anaplasma marginale 1
Argas persicus 50, 463
„ *reflexus* 50
„ *vespertilionis* 50
Argasidae, *see* Ticks.

Bacillus pyocyaneus in *Musca domestica* 68
Blood, stains for 19

Cercariae, marine 416
Cimex and oriental sore 311
Citellus beecheyi, *see Microfilaria.*
Crithidia 22, 108, 150, 154
„ *calliphorae* n. sp. 110
„ *campanulata* Léger 32
„ *pulicis* n. sp. 237

Embadomonas agilis nov. gen. and nov. sp. 30
Entamoeba 33
Entomological boxes, Note on construction of 174

Filaria loa 7
„ „ embryos of 75
„ „ bibliography 15, 81
Fleas, *see Pulex*, *Trypanosoma lewisi.*
Flies, flagellates in 332
„ and oriental sore 290
„ *see Herpetomonas.*

Giemsa's Romanowsky stain 19, 94
Glugea gigantea Thélohan 345
Guinea-worm 7, 15
Gurleya légeri Hesse 34

Haemaphysalis silacea n. sp. 478
Haemogregarina canis, development in ticks 324
Herpetomonas 22, 104, 108, 150, 154
„ *calliphorae* Swingle 112
„ *luciliae* in *Lucilia* sp. 222
„ *Muscae domesticae* 332

Insects, transmission experiments with *Spirochaeta duttoni* 134
Ixodes, adaptation to hosts 56
„ *caledonicus* Nuttall, 1910, description of male 176
„ Hypostomes compared 64
„ structure of foot in 176
Ixodidae, *see* Ticks.

Kurloff-body, a spurious parasite 457

PAGE

Lankesteria culicis (Ross, 1898) 318
Leishmania 273

Marsupials, *see Anaplasma.*
Microfilaria rosenaui n. sp. 220
Monotremes, *see Anaplasma.*
Murrina, *see* Trypanosomiasis in horses.
Musca domestica, experiments with *Bacillus pyocyaneus* 68

Negri bodies, nature of 255

Oriental sore in Bagdad 275
Ornithodorus megnini 52
„ *moubata* 51, 183
„ „ and *Spirochaeta duttoni* 133
„ „ copulation in 39
„ „ geographical distribution of 168
„ *savignyi* 51

Pleistophora gigantea Thélohan 345
Protozoa, degenerative appearances in 124
Pulex irritans, *see Crithidia.*

Rabies, *see* Negri bodies
Relapsing fever of Tropical Africa 183
Rhipicephalus sanguineus in relation to *Haemogregarina canis* 329

Schistosoma japonicum, ova of 131
Spirochaeta duttoni 183
„ „ transmission of 133
„ *gallinarum* 463
Stains, iron-haematein 94
Stegomyia fasciata and oriental sore 311
„ „ Gregarine in 318
Stomoxys calcitrans 84

Tetrarhynchus erinaceus van Beneden 364
Tick-bites, effects of 87, 89
Ticks 83
„ adaptation of, to the habits of their hosts 46
„ and oriental sore 290
„ eggs compared 52
„ fumigation of 164
„ Hypostomes compared 54
„ new species of 478
„ regarding the loss of life in 175
„ types of parasitism illustrated 175
„ *see Amblyomma*, *Argas*, *Haemaphysalis*, *Ixodes*, *Ornithodorus*, *Rhipicephalus.*
Trichoptera, protozoan parasites in 28
Trypanosoma 22, 150, 154
„ *gambiense*, passage through mucosa and skin 24
„ *hippicum* at Panama 83
„ *lewisi* 111
„ „ transmission by fleas 104
Trypanosomiasis in horses 83

CAMBRIDGE: PRINTED BY JOHN CLAY, M.A. AT THE UNIVERSITY PRESS.